

**2005 NRP Summary Table I**  
**Rank and Status of AMDUCA\* Prohibited Drugs**  
**2005 FSIS NRP, Domestic and Import Scheduled Sampling**

AMDUCA Prohibited Drug	Scheduled Samples		Total
	Domestic	Import	
Chloramphenicol	230, 90, 90, 230, 90, 90, and 90 samples for dairy cows, formula-fed veal, non-formula-fed veal, young chickens, mature chickens, young turkeys and mature turkeys, respectively	93 samples for fresh beef and 91 samples for fresh veal	1,094
Nitrofurans, including furazolidone and nitrofurazone (antimicrobials)	NIP		NIP
Clenbuterol**	1,000 samples for steers	No samples	1,000
Fluoroquinolones	NIP		NIP
Ronidazole (nitroimidazole; antimicrobial use)	NIP		NIP
Nitroimidazoles (FSIS MRW: dimetridazole and ipronidazole; antiprotozoal use)	NIP		NIP
Avoparcin (glycopeptide)	NIP		NIP
Vancomycin (glycopeptide)	NIP		NIP
Diethylstilbestrol (DES; synthetic hormone)	NIP		NIP
Phenylbutazone (NSAID)	1,000 samples for steers (by ELISA) 5,452 samples as part of the CHC/COP MRM	No samples	6,452

\*Drugs banned from extralabel use under AMDUCA are not evaluated using the ranking formula. Instead, these drugs are automatically assigned a high sampling priority and will be included in the NRP if methodologies and resources are available.

\*\*The clenbuterol methodology employs a screen that has been officially validated for clenbuterol (bovine and porcine) and has been extended to salbutamol and cimaterol (bovine). The method has also demonstrated the ability to detect other beta agonists, including ractopamine. The follow-up confirmatory method may detect several unapproved beta agonists, including the following: clenbuterol; cimaterol; fenoterol; mabuterol; salbutamol; brombuterol; and terbutaline.

**2005 NRP Summary Table I I**  
**Rank and Status of Veterinary Drugs**  
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Rank	Veterinary Drug	Score	Scheduled Samples		Total
			Domestic	Import	
1	Antibiotics: at present, the following antibiotics are quantitated using the 7-plate bioassay after a specific identification is made using mass spectroscopy (MS) or using high performance liquid chromatography (HPLC): tetracycline, oxytetracycline, chlortetracycline, gentamicin, streptomycin, dihydrostreptomycin, erythromycin, tylosin, neomycin, beta-lactams (quantitated as penicillin-G; penicillins and cephalosporins are not differentiated within this category), and tilmicosin (quantitated by HPLC). The following antimicrobials can be identified by MS; however, no quantitative methods are available: spectinomycin, hygromycin, amikacin, kanamycin, apramycin, tobramycin, lincomycin, pirlimycin, clindamycin, and oleandomycin.	15.0	300, 300, 90, 460, 300, 300, 300, 230, and 300 samples for market hogs, dairy cows, formula-fed veal, heifers, bob veal, beef cows, sows, heavy calves, and non-formula-fed veal, respectively  300 samples for FSIS exploratory projects	874 samples for all fresh product classes	3,794
2	Avermectins (antiparasitic doramectin, ivermectin, and moxidectin)	14.0	1,000, 300, 230, 300, 230, 90, and 90 samples for steers, bulls, lambs, goats, heavy calves, non-formula fed veal, and sheep production classes, respectively	794 samples for beef, pork, veal, lamb/mutton fresh and lamb/mutton processed	3,034

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3	Carbadox (antimicrobial)	12.4	300 samples for roaster pigs for an FSIS exploratory project	No samples	300
Rank	Veterinary Drug	Score	Scheduled Samples		Total
			Domestic	Import	
4	Sulfonamides in FSIS MRM (sulfapyridine, sulfadiazine, sulfathiazole, sulfamerazine, sulfamethazine, sulfachloropyridazine, sulfadoxine, sulfamethoxypyridazine, sulfaquinoxaline, sulfadimethoxine, sulfisoxazole, sulfacetamide, sulfamethoxazole, sulfamethizole, sulfanilamide, sulfaguanidine, sulfabromomethazine, sulfasalazine, sulfaethoxypyridazine, sulfaphenazole, and sulfatroxazole) (antimicrobials, some are coccidiostats)*	12.0	3,680 samples in all production classes except egg products, sows, mature chickens, bison, ducks, goats, ratites, geese, and squab  300 samples for FSIS exploratory projects	1,051 samples in all production classes	5,105
5	Florfenicol (chloramphenicol derivative)	10.1	230, 90, and 90 samples for dairy cows, formula-fed veal, and non-formula-fed veal, respectively	No samples	410
6	Trenbolone	10.1	1,000 samples for formula-fed veal	No samples	1,000
7	Zeranol (hormone, synthetic)	9.0	1,000 samples for formula-fed veal	No samples	1,000
8	Thyreostats (incl. thiouracil)	8.5	600 samples are scheduled for steers and for heifers for FSIS exploratory projects	No samples	600
9	Dipyrrone (NSAID)	7.9	NIP		NIP
10	Dexamethasone (glucocorticoid)	7.2	NIP		NIP
11	Thiamphenicol (chloramphenicol derivative)	7.0	NIP		NIP
12	Methyl prednisone (glucocorticoid)	6.9	NIP		NIP

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13	Arsenicals (detected as As)	6.8	NIP		NIP
14	Berenil (antiprotozoal)	6.7	NIP		NIP
15	Prednisone (glucocorticoid)	6.0	NIP		NIP
16	Etodolac (NSAID)	5.8	NIP		NIP
17	Flunixin (NSAID)	5.8	NIP		NIP
18	Amprolium (coccidiostat)	5.8	NIP		NIP
19	Eprinomectin (avermectin)	5.3	NIP		NIP
Rank	Veterinary Drug	Score	Scheduled Samples		Total
			Domestic	Import	
20	Lasalocid (coccidiostat)	5.1	NIP		NIP
21	Clorsulon (anthelmintic, Trematodes)	4.9	NIP		NIP
22	Benzimidazoles in FSIS MRM (thiabendazole and its 5-hydroxythiabendazole metabolite, albendazole 2-animosulfone metabolite, benomyl in the active hydrolyzed form carbendazim, oxfendazole, mebendazole, cambendazole, and fenbendazole) (anthelmintics)	4.6	NIP		NIP
23	Halofuginone (antiprotozoal, coccidiostat)	4.6	NIP		NIP
24	Hormones, naturally-occurring (17-estradiol, testosterone, and progesterone)	4.5	NIP		NIP
25	Levamisole (anthelmintic)	3.5	NIP		NIP
26	Melengestrol acetate (MGA; hormone, synthetic)	3.3	300 samples for heifers	No samples	300
27	Ractopamine (beta agonist)	3.0	230, 90, and 90 samples for steers, formula-fed veal, and market hogs	No samples	410
28	Nicarbazin (coccidiostat)	3.0	NIP		NIP
29	Morantel and pyrantel (anthelmintic)	2.9	NIP		NIP
30	Veterinary tranquilizers (azaperone and its metabolite azaperol, xylazine, haloperidol, acetopromazine, propionylpromazine, and chlorpromazine)	2.6	NIP		NIP

**2005 NRP Summary Table III**  
**Rank and Status for Pesticides<sup>1</sup>**  
**2005 FSIS NRP, Domestic Scheduled Sampling Plan**

Rank	Compound / Compound Class	Score	Status in the 2005 NRP		Total
			Domestic	Import	
1	COPs and OPs not in FSIS CHC/COP MRM (azinphos-methyl, azinphos-methyl oxon, chlorpyrifos, diazinon, diazinon oxon, diazinon met G-27550, dichlorvos, dimethoate, dimethoate oxon, dioxathion, ethion, ethion monooxon, fenthion, fenthion oxon, fenthion oxon sulfone, fenthion oxon sulfoxide, fenthion sulfone, fenthion sulfoxide, malathion, malathion oxon, naled, phosmet, phosmet oxon, pirimiphos-methyl, trichlorfon, tetrachlorvinphos, tetrachlorvinphos-4 metabolites, acephate, methamidophos, chlorpyrifos-methyl, fenamiphos, fenamiphos sulfoxide, fenamiphos sulfone, fenamiphos sulfoxide desisopropyl, fenamiphos sulfone desisopropyl, isofenphos, isofenphos oxon, isofenphos desisopropyl, isofenphos oxon desisopropyl, methidathion, ODM, parathion (ethyl), parathion oxon, parathion methyl, parathion methyl oxon, phorate, phorate oxon, phorate oxon sulfone, phorate oxon sulfoxide, phorate sulfone, phorate sulfoxide, profenofos, sulprofos, sulprofos oxon, sulprofos oxon sulfone, sulprofos oxon sulfoxide, sulprofos sulfone, sulprofos sulfoxide, tribufos (DEF))	18.4	NIP		NIP
2	Imazalil	18.4	NIP		NIP
3	Triazines NOT in FSIS Triazine MRM (atrazine chloro metabolites, metribuzin, metribuzin DADK, metribuzin DA, metribuzin DK, amitraz, amitraz 2,4-DMA metabs., desdiethyl simazine, desethyl simazine, simazine chloro metabs.)	17.3	NIP		NIP
4	Carbamates in FSIS Carbamate MRM (aldicarb, aldicarb sulfoxide, aldicarb sulfone, carbaryl, carbofuran, carbofuran 3-hydroxy)	16.1	NIP		NIP
5	1-(2,4-dichlorophenyl)-2-(1H-imidazole-1-yl)-1-ethanol	16.1	NIP		NIP
6	1,1-(2,2-dichloroethylidene)bis(4-methoxybenzene)	16.1	NIP		NIP
7	1-methoxy-4-(1,2,2,2-tetrachloroethyl)benzene)	16.1	NIP		NIP

**2005 NRP Summary Table III (continued)**  
**Rank and Status for Pesticides<sup>1</sup>**  
**2005 FSIS NRP, Domestic Scheduled Sampling Plan**

Rank	Compound / Compound Class	Score	Status in the 2005 NRP		Total
			Domestic	Import	
8	3-(1-(2,4-dichlorophenyl)-2-(1H-imidazole-1-yl)ethoxy)-1,2-propane diol	16.1	NIP		NIP
9	Fipronil	16.1	NIP		NIP
10	MB 45950	16.1	NIP		NIP
11	MB 46513	16.1	NIP		NIP
12	Methoxychlor olefin	16.1	NIP		NIP
13	Cyhalothrin, lambda-	16.1	NIP		NIP
14	Synthetic Pyrethrins in FSIS Synthetic Pyrethrin MRM (cypermethrin, cis-permethrin, trans-permethrin, fenvalerate, zeta-cypermethrin)	16.1	NIP		NIP
15	CHCs and COPs in FSIS CHC/COP MRM (HCB, alpha-BHC, coumaphos, coumaphos oxon, lindane, heptachlor, dieldrin, endrin, ronnel, linuron, oxychlordane, chlorpyrifos, nonachlor, heptachlor epoxide A, heptachlor epoxide B, endosulfan I, endosulfan I sulfate, endosulfan II, trans-chlordane, cis-chlordane, chlordfenvinphos, p,p'-DDE, p, p'-TDE, o,p'-DDT, p,p'-DDT, carbophenothion, captan, tetrachlorvinphos [stirofos], kepone, mirex, methoxychlor, phosalone, coumaphos-O, coumaphos-S, toxaphene, famphur, PCB 1242, PCB 1248, PCB 1254, PCB 1260, dicofol*, PBBs*, polybrominated diphenyl ethers*, deltamethrin*) (*identification only)	16.0	5,380 samples for all domestic production classes except: minor species (rabbits, ratites, squab, geese, ducks, and bison); horses; and bob-veal.	1,051 samples for all import production classes.	6,431

1. Only those pesticides that have been designated as representing a broad potential public health risk are included in this summary table. For a complete list of pesticides that were considered for the 2005 NRP, see Table 28.

**Key:**

MRM = Multiresidue Method

NIP = Not Included in 2005 FSIS National Residue Program

CHC = Chlorinated hydrocarbon

COP = Chlorinated organophosphate

OP = Organophosphate

**2005 FSIS NRP Summary Table IV**  
**Rank and Status of Environmental Contaminants<sup>1</sup>**  
**Domestic Scheduled Sampling**

Metals	Scheduled Samples		Total
	Domestic	Import	
Lead and cadmium	300 samples for steers	No samples	300

1. Environmental contaminants are not assigned a ranking score in the NRP